

9. An analysis and/or measuring device comprising means for extracting, in the gaseous form, hydrocarbons contained in a liquid drilling fluid after drilling in a reservoir rock, means for transporting said extracted gases, and means intended for analysis and measurement on these extracted gases, characterized in that said transport means include a tubular line comprising an inner tube made from at least one plastic selected from the group consisting of PTFE (polytetrafluoroethylene), FEP (tetrafluoroethylene-perfluoroprene copolymer), PVDF (polyvinylidene fluoride), ETFE (tetrafluoroethylene-ethylene copolymer), ETFCE (ethylene-trifluorochlorethylene copolymer), PCTFE (polychlorotrifluoroethylene), FPA (perfluoroalkoxyalkane), hexafluoropropylene/vinylidene fluoride copolymers, hexafluoropropylene/vinylidene fluoride/tetrafluoropropylene THV terpolymers, tetrafluoroethylene/hexafluoropropylene/treated vinylidene fluoride, PEEK (polyetherether ketone), PEKK, PAEK, PEK, and aliphatic polyketones.

10. A device as claimed in claim 9, wherein said inner tube is externally protected by at least one other sheath.

11. A device as claimed in claim 9, wherein the thickness of the inner tube ranges between 0.1 and 5 mm.

12. A device as claimed in claim 9, wherein the thickness of the inner tube ranges between 0.1 and 0.2 mm.

13. A device as claimed in claim 9, wherein the inside diameter of the inner tube ranges between 3 and 12 mm.

14. A device as claimed in claim 9, wherein the inside diameter of the inner tube ranges between 6 and 10 mm.

15. A device as claimed in claim 9, wherein said tubular line is several ten meters long.

16. A method for analysis and/or measuring comprising: extracting, in the gaseous form, hydrocarbons contained in a liquid drilling fluid after drilling in a reservoir rock, transporting said extracted gases, and analyzing or measuring the extracted gases, wherein the extracted gases are transported in a tubular line comprising an inner tube which limits retention of trace hydrocarbons made from at least one plastic selected from the group consisting of PTFE (polytetrafluoroethylene), FEP (tetrafluoroethene-perfluoroprene copolymer), PVDF (polyvinylidene fluoride), ETFE (tetrafluoroethylene-ethylene copolymer), ETFCE (ethylene-trifluorochlorethylene copolymer), PCTFE (polychlorotrifluoroethylene), FPA (perfluoroalkoxyalkane), hexafluoropropylene/vinylidene fluoride copolymers, hexafluoropropylene/vinylidene fluoride/tetrafluoropropylene THV terpolymers, tetrafluoroethylene/hexafluoropropylene/treated vinylidene fluoride, PEEK (polyetherether ketone), PEKK, PAEK, PEK, and aliphatic polyketones.

17. A method as claimed in claim 16, wherein said inner tube is made of THV.

18. A method as claimed in claim 16, wherein said inner tube is externally protected by at least one other sheath.

19. A method as claimed in claim 16, wherein the thickness of the inner tube ranges between 0.1 and 0.5 mm.

20. A method as claimed in claim 16, wherein the thickness of the inner tube ranges between 0.1 and 0.2 mm.

21. A method as claimed in claim 16, wherein the inside diameter of the inner tube ranges between 3 and 12 mm.

22. A method as claimed in claim 16, wherein the inside diameter of the inner tube ranges between 6 and 10 mm.

23. A method as claimed in claim 16, wherein said tubular line is several ten meters long.--

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IN THE ABSTRACT:

Please amend the abstract to read as follows.